STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number:	10/734,66/B
Source:	1FW16,
Date Processed by STIC:	2/15/07

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http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

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- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
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Revised 01/10/06



IFW16

RAW SEQUENCE LISTING DATE: 02/15/2007
PATENT APPLICATION: US/10/734,661B TIME: 16:45:57

```
3 <110> APPLICÂNT: Yayon, Avner
             Rom, Eran
             Thomassen-Wolf, Elisabeth
             Borges, Eric
     8 <120> TITLE OF INVENTION: ANTIBODIES THAT BLOCK RECEPTOR PROTEIN TYROSINE KINASE
ACTIVATION,
     9
             METHODS OF SCREENING AND USES THEREOF
    11 <130> FILE REFERENCE: 81408-4400
    13 <140> CURRENT APPLICATION NUMBER: US 10/734,661B
    14 <141> CURRENT FILING DATE: 2003-12-15
                                                         see m. 4,6,8
    16 <150> PRIOR APPLICATION NUMBER: US 60/299,187
    17 <151> PRIOR FILING DATE: 2001-06-20
    19 <150> PRIOR APPLICATION NUMBER: PCT/IL02/00494
                                                            Does Not Comply
    20 <151> PRIOR FILING DATE: 2002-06-20
                                                           Corrected Diskette Needed
    22 <160> NUMBER OF SEQ ID NOS: 106
    24 <170> SOFTWARE: PatentIn version 3.2
    26 <210> SEQ ID NO: 1
    27 <211> LENGTH: 806
    28 <212> TYPE: PRT
    29 <213> ORGANISM: Homo sapiens
    31 <300> PUBLICATION INFORMATION:
    32 <308> DATABASE ACCESSION NO: np 000133
    33 <309> DATABASE ENTRY DATE: 2001-02-21
    34 <313> RELEVANT RESIDUES: (1)..(806)
    36 <400> SEQUENCE: 1
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    46 Gly Arg Ala Ala Glu Val Pro Gly Pro Glu Pro Gly Gln Gln Glu Gln
                                   40
    50 Leu Val Phe Gly Ser Gly Asp Ala Val Glu Leu Ser Cys Pro Pro
    54 Gly Gly Gly Pro Met Gly Pro Thr Val Trp Val Lys Asp Gly Thr Gly
                           70
    58 Leu Val Pro Ser Glu Arg Val Leu Val Gly Pro Gln Arg Leu Gln Val
                                           90
    62 Leu Asn Ala Ser His Glu Asp Ser Gly Ala Tyr Ser Cys Arg Gln Arg
                                       105
    66 Leu Thr Gln Arg Val Leu Cys His Phe Ser Val Arg Val Thr Asp Ala
               115
                                   120
    70 Pro Ser Ser Gly Asp Asp Glu Asp Gly Glu Asp Glu Ala Glu Asp Thr
           130
                               135
                                                   140
    74 Gly Val Asp Thr Gly Ala Pro Tyr Trp Thr Arg Pro Glu Arg Met Asp
```

RAW SEQUENCE LISTING DATE: 02/15/2007 PATENT APPLICATION: US/10/734,661B TIME: 16:45:58

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. –	145	_	_	_		150				_	155		_		_	160
	Lys	Lys	Leu	Leu		Val	Pro	Ala	Ala		Thr	Val	Arg	Phe	_	Cys
79					165					170					175	
82	Pro	Ala	Ala	Gly	Asn	Pro	Thr	Pro	Ser	Ile	Ser	\mathtt{Trp}	Leu	Lys	Asn	Gly
83				180					185					190		
86	Arg	Glu	Phe	Arg	Gly	Glu	His	Arg	Ile	Gly	Gly	Ile	Lys	Leu	Arg	His
87			195				•	200					205			
90	Gln	Gln	Trp	Ser	Leu	Val	Met	Glu	Ser	Val	Val	Pro	Ser	Asp	Arg	Gly
91		210	_				215					220		-	_	_
94	Asn	Tyr	Thr	Cvs	Val	Val	Glu	Asn	Lvs	Phe	Glv	Ser	Ile	Arq	Gln	Thr
	225	-		-		230			-		235	-				240
		Thr	Leu	Asp	Val	Leu	Glu	Ara	Ser	Pro	_	Ara	Pro	Tle	T.e.ii	
99	-1-				245			5		250		9			255	
	ם מ	G13	, T.DI	Dro		Δer	Glr	Thr	בומ י		T.e.	Gla	Car	λατ		Glu
102		, GI	шес	260		. ASI	. 011.		265		пес	GLY	361	270		. GIU
						П		. 7. ~ ~			. D.					
		: nrs			· val	. тут	ser			GII	PIC) HIS			ıırr	Leu
107		•	275			_	~-7	280				_	285		_,	_
	_			. GIU	ı val	Asn	_		Lys	val	. GIY		_	GLY	Thr	Pro
111		290		_			295		_	_		300				_
114	Tyr	· Val	. Thr	· Val	. Let			Ala	ı Gly	/ Ala	a Asr	Thr	Thr	Asp	Lys	Glu
	305					310					315					320
118	Leu	Glu	ı Val	. Let	Ser	Leu	His	Asr	ı Val	Thr	Phe	Glu	ı Asp	Ala	Gly	r Glu
119					325					330					335	
122	Tyr	Thr	Cys	Let	ı Ala	Gly	Asn	Ser	: Ile	e Gly	7 Phe	Ser	His	His	Ser	Ala
123				340)				345	5				350	1	
126	Trp	Let	ı Val	. Val	Lev	Pro	Ala	Glu	ı Glu	ı Glu	ı Lev	Val	Glu	Ala	Asp	Glu
127	'		355	5				360)				365		_	
130	Ala	Gly	ser Ser	. Val	Tyr	Ala	Gly	Ile	Lev	Ser	Tyr	Glv	. Val	Glv	Phe	Phe
131		370			•		375				-	380		4		
134	Leu	Phe	: Ile	Leu	Val	Val	Ala	Ala	ı Val	Thr	Leu	Cvs	Ara	Leu	Ara	Ser
	385					390					395	_	3			400
			Lvs	Lvs	Glv			Ser	Pro	Thr			Lvs	Ile	Ser	Arg
139			-1-	-1-	405					410					415	_
		Pro	Lei	Lvs			Val	Ser	· T.e.			Asn	Ala	Ser		Ser
143				420	_	, 011.			425					430		
		Asr	Thr			Val	Ara	Tle			r T.e.i	Ser	Ser			Gly
147		1101.	435		ДСС	vai	nig	440		. Arg	, 100	DCI	445	_	OIU	. Gry
		Thr			λον	1751	Cor			. cl.		Dro			Dro	Lys
				ALO	ASI	ı vaı			. пес	GIU	т пеп			. ASL	PIQ	, пуъ
151		450			. 3		455		. ml			460		.	~ 1	
			Leu	ser	Arg		_	ьеυ	Thr	теп	_	_	Pro	ь Leu	. GIY	Glu
	465					470					475				_	480
	-	Cys	Phe	GLY			Val	Met	. Ala			. Ile	Gly	Ile	Asp	Lys
159				_	485					490					495	
	_	Arg	Ala	Ala	. Lys	Pro	Val	Thr			ı Val	Lys	Met	Leu	Lys	Asp
163				500					505					510		
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167			515					520					525			
170	Met	Lys	Met	Ile	Gly	Lys	His	Lys	Asn	ılle	: Ile	Asn	Leu	Leu	Gly	Ala
171		530)				535					540				

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175 545
178 Gly Asn Leu Arg Glu Phe Leu Arg Ala Arg Arg Pro Pro Gly Leu Asp
179
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182 Tyr Ser Phe Asp Thr Cys Lys Pro Pro Glu Glu Gln Leu Thr Phe Lys
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                                    585
186 Asp Leu Val Ser Cys Ala Tyr Gln Val Ala Arg Gly Met Glu Tyr Leu
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190 Ala Ser Gln Lys Cys Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu
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194 Val Thr Glu Asp Asn Val Met Lys Ile Ala Asp Phe Gly Leu Ala Arg
195 625
                        630
                                             635
198 Asp Val His Asn Leu Asp Tyr Tyr Lys Lys Thr Thr Asn Gly Arg Leu
                    645
                                        650
202 Pro Val Lys Trp Met Ala Pro Glu Ala Leu Phe Asp Arg Val Tyr Thr
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                                                         670
206 His Gln Ser Asp Val Trp Ser Phe Gly Val Leu Leu Trp Glu Ile Phe
210 Thr Leu Gly Gly Ser Pro Tyr Pro Gly Ile Pro Val Glu Glu Leu Phe
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                                                 700
214 Lys Leu Leu Lys Glu Gly His Arg Met Asp Lys Pro Ala Asn Cys Thr
                       710
                                            715
218 His Asp Leu Tyr Met Ile Met Arg Glu Cys Trp His Ala Ala Pro Ser
                    725
                                        730
222 Gln Arg Pro Thr Phe Lys Gln Leu Val Glu Asp Leu Asp Arg Val Leu
                740
                                    745
                                                         750
226 Thr Val Thr Ser Thr Asp Glu Tyr Leu Asp Leu Ser Ala Pro Phe Glu
           755
                                760
230 Gln Tyr Ser Pro Gly Gly Gln Asp Thr Pro Ser Ser Ser Ser Gly
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234 Asp Asp Ser Val Phe Ala His Asp Leu Leu Pro Pro Ala Pro Pro Ser
235 785
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238 Ser Gly Gly Ser Arg Thr
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243 <211> LENGTH: 32
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: artificial primer
250 <400> SEQUENCE: 2
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255 <211> LENGTH: 55
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: artificial primer
262 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING DATE: 02/15/2007
PATENT APPLICATION: US/10/734,661B TIME: 16:45:58

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267 <211> LENGTH: 1147
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <300> PUBLICATION INFORMATION:
272 <308> DATABASE ACCESSION NO: m58051
273 <309> DATABASE ENTRY DATE: 1994-11-08
274 <313> RELEVANT RESIDUES: (1)..(1147)
276 <400> SEQUENCE: 4
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279 tegegetetg egtggeegtg gecategtgg eeggegeete eteggagtee ttggggaegg
                                                                         120
281 agcagegegt egtggggega geggeagaag teeegggeee agageeegge eagcaggage
                                                                         180
240
285 ccatggggcc cactgtctgg gtcaaggatg gcacagggct ggtgccctcg gagcgtgtcc
                                                                         300
287 tggtggggcc ccagcggctg caggtgctga atgcctccca cgaggactcc ggggcctaca
                                                                         360
289 gctgccggca gcggctcacg cagcgcgtac tgtgccactt cagtgtgcgg gtgacagacg
                                                                         420
291 ctccatcctc gggagatgac gaagacgggg aggacgaggc tgaggacaca ggtgtggaca
                                                                         480
293 caggggeece ttactggaca eggeeegage ggatggacaa gaagetgetg geegtgeegg
                                                                         540
295 ccgccaacac cgtccgcttc cgctgcccag ccgctggcaa ccccactccc tccatctcct
                                                                         600
297 ggctgaagaa cggcagggag ttccgcggcg agcaccgcat tggaggcatc aagctgcggc
                                                                         660
299 atcagcagtg gagcctggtc atggaaagcg tggtgccctc ggaccgcggc aactacacct
                                                                         720
301 gegtegtgga gaacaagttt ggcagcatee ggcagaegta caegetggae gtgetggage
                                                                         780
303 geteceegea eeggeeeate etgeaggegg ggetgeegge caaccagaeg geggtgetgg
                                                                         840
305 gcagcgacgt ggagttccac tgcaaggtgt acagtgacgc acagccccac atccagtggc
                                                                         900
307 tcaagcacgt ggaggtgaac ggcagcaagg tgggcccgga cggcacaccc tacgttaccg
                                                                         960
309 tgctcaagac ggcgggcgct aacaccaccg acaaggagct agaggttctc tccttgcaca
                                                                        1020
311 acgtcacctt tgaggacgcc ggggagtaca cctgcctggc gggcaattct attgggtttt
                                                                        1080
313 ctcatcactc tgcgtggctg gtggtgctgc cagccgagga ggagctggtg gaggctgacg
                                                                        1140
                                                                        11,47
315 aggcggg
                        invalid response- see tem 10 on Euro Lumany
318 <210> SEQ ID NO: 5
319 <211> LENGTH: 5695
320 <212> TYPE: DNA
321 <213> ORGANISM: EXPRESSION VECTOR pCEP-PU/AC7
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326 ccgcatagtt aagccagtat ctgctccctg cttgtgtgtt ggaggtcgct gagtagtgcg
                                                                         120
328 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc
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330 ttagggttag gegttttgeg etgettegeg atgtaeggge cagatataeg egttgaeatt
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.332 gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat agcccatata
                                                                         300
334 tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg cccaacgacc
                                                                         360
336 cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata gggactttcc
                                                                         420
338 attgacgtca atgggtggac tatttacggt aaactgccca cttggcagta catcaagtgt
                                                                         480
340 atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc gcctggcatt
                                                                         540
342 atgcccagta catgacctta tgggactttc ctacttggca gtacatctac gtattagtca
                                                                         600
344 tegetattac catggtgatg eggttttggc agtacatcaa tgggegtgga tageggtttg
                                                                         660
346 actcacgggg atttccaagt ctccaccca ttgacgtcaa tgggagtttg ttttggcacc
                                                                         720
348 aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg caaatgggcg
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350 gtaggcgtgt acggtgggag gtctatataa gcagagctct ctggctaact agagaaccca
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RAW SEQUENCE LISTING DATE: 02/15/2007 PATENT APPLICATION: US/10/734,661B TIME: 16:45:58

		*					
35	2 ctgcttactg	gcttatcgaa	attaatacga	ctcactatag	ggagacccaa	gctggctagc	900
	1 gtttaaactt						960
	gagatcccga						1020
35	3 ctgaactcct	ggggggaccg	tcagtcttcc	tcttccccc	aaaacccaag	gacaccctca	1080
36) tgatctcccg	gacccctgag	gtcacatgcg	tggtggtgga	cgtgagccac	gaagaccctg	1140
	2 aggtcaagtt						1200
364	l gggaggagca	gtacaacagc	acgtaccggg	tggtcagcgt	cctcaccgtc	ctgcaccagg	1260
36	actggctgaa	tggcaaggag	tacaagtgca	aggtctccaa	caaagccctc	ccagccccca	1320
	3 tcgagaaaac						1380
) ccccatcccg						1440
	tctatcccag						1500
374	l agaccacgcc	tcccgtgctg	gactccgacg	gctccttctt	cctctacagc	aagctcaccg	1560
376	tggacaagag	caggtggcag	caggggaacg	tcttctcatg	ctccgtgatg	catgaggctc	1620
378	3 tgcacaacca	ctacacgcag	aagagcctct	ccctgtctcc	gggtaaatga	tctagagggc	1680
380) ccgtttaaac	ccgctgatca	gcctcgactg	tgccttctag	ttgccagcca	tctgttgttt	1740
38	gcccctcccc	cgtgccttcc	ttgaccctgg	aaggtgccac	tcccactgtc	ctttcctaat	1800
384	l aaaatgagga	aattgcatcg	cattgtctga	gtaggtgtca	ttctattctg	gggggtgggg	1860
386	tggggcagga	cagcaagggg	gaggattggg	aagacaatag	caggcatgct	ggggatgcgg	1920
	tgggctctat						1980
390) cgccctgtag	cggcgcatta	agcgcggcgg	gtgtggtggt	tacgcgcagc	gtgaccgcta	2040
392	cacttgccag	cgccctagcg	cccgctcctt	tcgctttctt	cccttccttt	ctcgccacgt	2100
	l tegeeggett						2160
	ctttacggca						2220
	cgccctgata						2280
) tcttgttcca						2340
	ggattttggg						2400
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	caggcagaag						2520
	caggctcccc						2580
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	gctcgggttc						3000
	gaccctgttc						3060
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	cgccctgcgc						3240
	cgtgctacga						3300
	tttccgggac						3360
	ccaccccaac						3420
	tttcacaaat						3480
	tgtatcttat						3540
	atagctgttt						3600
	aagcataaag						3660
	gcgctcactg						3720
448	ccaacgcgcg	gggagaggcg	gtttgcgtat	tgggcgctct	teegetteet	cgctcactga	3780

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/734,661B DATE: 02/15/2007 TIME: 16:45:59

Input Set : A:\81408-4400 sequence listing.txt

Output Set: N:\CRF4\02132007\J734661B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; N Pos. 253,254,255

Seq#:56; N Pos. 256,257,258

Seq#:70; N Pos. 1,2,3

Seq#:74; N Pos. 1,2,3

Seq#:81; N Pos. 1,2,3

Seq#:83; N Pos. 1,2,3

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/734,661B

DATE: 02/15/2007 TIME: 16:45:59

Input Set : A:\81408-4400 sequence listing.txt
Output Set: N:\CRF4\02132007\J734661B.raw

L:1612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:240
L:1662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:240
L:1968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:2064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:2234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:2286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0

<210> 6
<211> 235
<212> PRT
<213> SYNTHETIC invalid response - see item 10 on Euro Gummany

Heet

<220>

<221> misc_feature

<223> Fc domain of Immunoglobulin

<400> 6